

Claims:

1. A multimode communication terminal having a secondary battery controlling a charging operation of the secondary battery in accordance with a communication schema during communication, said multimode communication terminal
5 comprising:

communication means capable of communicating in accordance with a plurality of communication schemas;

communication schema switching means for controlling the communication means in a manner that a
10 communication schema is switched into a designated communication schema among the plurality of communication schemas thereby to communicate in accordance with the designated communication schema;

charging control means for controlling a charging
15 operation of the secondary battery by a different charging control method in accordance with each of the plurality of communication schemas; and

charging control method selecting means for selecting the charging control method for charging the
20 secondary battery by the charging control means in accordance with the communication schema of communication being performed by the communication means.

2. The multimode communication terminal according to claim 1, further comprising:

battery voltage detection means for detecting a battery voltage of the secondary battery; and

5 charging current detection means for detecting a charging current supplied to the secondary battery,

wherein the communication means is conformed to a CDMA communication schema and a TDMA communication schema,

wherein the charging control means performs
10 constant-current and constant voltage charging control when the communication means communicates based on the CDMA communication schema, and

wherein, while the communication means communicates based on the TDMA communication schema, the charging
15 control means performs constant-current charging control when a battery voltage of the secondary battery detected by the battery voltage detection means is less than a predetermined voltage threshold value, and stops charging operation when a battery voltage of the secondary battery
20 detected by the battery voltage detection means is equal to or larger than the predetermined voltage threshold value.

3. The multimode communication terminal according to claim 2, further comprising:

detection timing generation means for generating, in accordance with the communication schema, a timing for
5 detecting a charging current supplied to the secondary battery by the charging current detection means and a

timing for detecting a battery voltage of the secondary battery by the battery voltage detection means,

wherein the detection timing generation means
10 generates timings of a predetermined period when the communication means communicates based on the CDMA communication schema, and generates timings avoiding a signal transmission timing of the communication means when the communication means communicates based on the TDMA
15 communication schema.

4. The multimode communication terminal according to claim 1, 2 or 3,

wherein the charging control means switches the charging control method in accordance with switching of the
5 communication schema for communication performed by the communication means.